

Product datasheet for **RG232330**

Annexin VIII (ANXA8) (NM_001271703) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Annexin VIII (ANXA8) (NM_001271703) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Annexin VIII
Synonyms:	ANX8; CH17-360D5.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232330 representing NM_001271703 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTGGTGGAAATCCTGGGACCTCACTGAGACCTTGAAGTCTGAGCTCAGTGGCAAGTTTGAGAGGC
 TCATTGTGGCCCTTATGTACCCGCCATACAGATACGAAGCCAAGGAGCTGCATGACGCCATGAAGGGCTT
 AGGAACCAAGGAGGGTGTCACTTGTGATCCTGGCCTCTCGGACCAAGAACCAGCTGCGGGAGATAATG
 AAGGCGTATGAGGAAGACTATGGGTCCAGCCTGGAGGAGGACATCCAAGCAGACACAAGTGGCTACCTGG
 AGAGGATCCTGGTGTGCCTCCTGCAGGGCAGCAGGGATGATGTGAGCAGCTTTGTGGACCCAGGACTGGC
 CCTCCAAGACGCACAGGATCTGTATGCGGCAGGCGAGAAGATTCTGTGGGACTGATGAGATGAAATTCATC
 ACCATCCTGTGCACGCGCAGTGCCACTCACCTGCTGAGAGTGTTTGAAGAGTATGAGAAAATTGCCAACA
 AGAGCATTGAGGACAGCATCAAGAGTGAGACCCATGGCTCACTGGAGGAGGCCATGCTCACTGTGGTGAA
 ATGCACCCAAAACCTCCACAGCTACTTTGCAGAGAGACTCTACTATGCCATGAAGGGAGCAGGGACGCGT
 GATGGGACCTGTATAAGAAACATCGTTTCAAGGAGCGAGATTGACTTAAATCTTACAAATGTCACCTTCA
 AGAAGATGTACGGCAAGACCCTCAGCAGCATGATCATGGAAGACACCAGCGGTGACTACAAGAACGCCCT
 GCTGAGCCTGGTGGGCAGCGACCCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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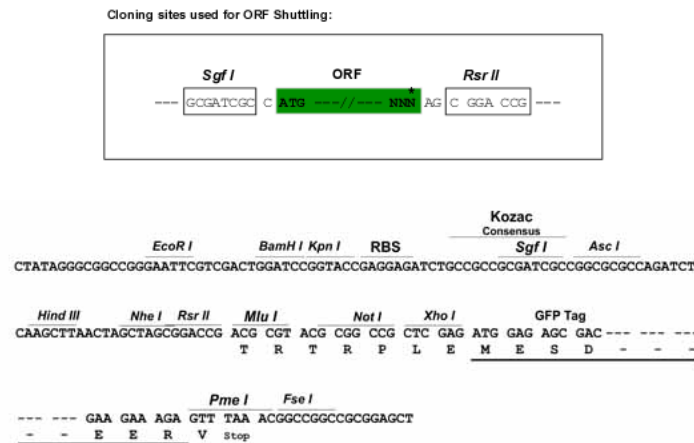
Protein Sequence: >RG232330 representing NM_001271703
 Red=Cloning site Green=Tags(s)

MAWWKSWDLTETLKSELGKFERLIVALMYPYRYEAKELHDAMKGLGTKEGVIIIEILASRTKNQLREIM
 KAYEEDYGSSLEEDIQADTSGYLERILVCLLQGSRDDVSSFVDPGLALQDAQDLYAAGEKIRGTDEMKFI
 TILCTRSATHLLRVFEEYEKIANKSIEDSIKSETHGSLEEAMLTVVKCTQNLHSYFAERLYYAMKGAGTR
 DGTILIRNIVSRSEIDLNLIKCHFVKMYGKTLSSMIMEDTSGDYKNALLSLVGS DP

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001271703

ORF Size: 795 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001271703.1](#), [NP_001258632.1](#)

RefSeq Size: 1905 bp

RefSeq ORF: 798 bp

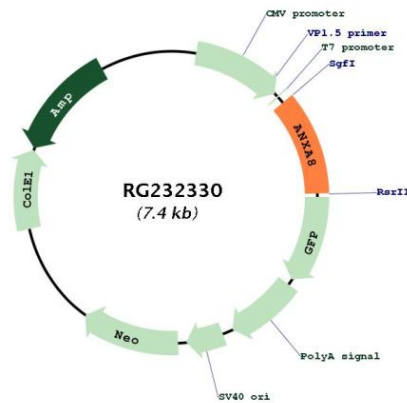
Locus ID: 653145

UniProt ID: [P13928](#)

Cytogenetics: 10q11.22

Gene Summary: This gene encodes a member of the annexin family of evolutionarily conserved Ca²⁺ and phospholipid binding proteins. The encoded protein may function as an anticoagulant that indirectly inhibits the thromboplastin-specific complex. Overexpression of this gene has been associated with acute myelocytic leukemia. A highly similar duplicated copy of this gene is found in close proximity on the long arm of chromosome 10. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG232330